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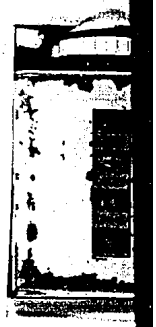


ENGINEERING LITERATURE PUBLISHED IN CZECHOSLOVAKIA

[Comment: The following is an annotated list of Czechoslovak publications dealing with metallurgy and rubber and plastics engineering as given in Seznam strojirenske literatury, 1955 (Index of Engineering Literature, 1955) a pamphlet issued in Prague in March 1955 by the SNPL (Statni nakladatelstvi technicke literatury). The list includes works originally written in the Czech language as well as those translated from Russian, and published by various Czechoslovak publishers. According to the source, all publications listed can be obtained from "Kniha," national enterprise, in Prague. Information given includes author, title, description of the subject matter, number of pages and photographs, type of binding, price, and publisher.]

Plastics and India Rubber

Kluzna loziiska a ozubena kola z plastickych hmot (Plastic Plain Bearing and Cogwheels), by F. Blabolil. Detailed suggestions for the utilization of synthetic materials in the production of bearings and cogwheels, description of the composition, processing, and utilization of individual materials. 148 pages, 81 photographs, unbound, 22.90 crowns, Prace [Publishing House]

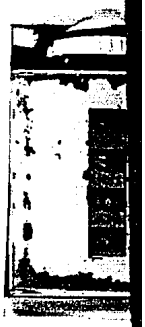
Nekovove kluzna loziska (Nonmetallic Plain Bearings), by D. M. Chajt. Physical, chemical, and mechanical properties of plastics used in nonmetallic bearings, design and manufacture of nonmetallic bearings, conditions of production, and potentials for the use of nonmetallic bearings. 116 pages 81 photographs, unbound, 9.31 crowns, SNTL [Statni nakladatelstvi technicke literatury, State Publishing House for Technical Literature].

Konstrukce soucasti z plastickych latek a lisovacich forem (Construction of Components From Plastics and Press Molds) by Ye G. Kopanyevich. Basic directives for construction of divided and integrated press molds; 152 pages , 128 photographs, unbound, 9.31 crowns, SNTL

Pryz ve strojirenstvi (India Rubber in Engineering), by A. Kovarik. General remarks concerning processing of india rubber and production of india rubber as a technical material, suggestions for design of india rubber parts used in engineering, and description of various types of india rubber products for technical purposes. 164 pages, 110 photographs, unbound, 9.88 crowns, SNTL.

Sbornik plastickych latek (Plastics Almanac), by M. Osten. Classification of plastics according to the decimal system, basic directive for the construction of molds, processing, metal-plating, and pressing of plastics, and tables of properties and physical qualities of heat tempered and non-heat tempered materials. 256 pages, 73 photographs, bound, 18.25 crowns, SNTL.

Plasticke materialy v konstrucki stroju (Plastics in Machine Construction), by J. Vejchar. Commentary on mechanical, physical, and chemical properties of plastics, description of semifinished plastic goods and parts, principles and regulations for design and construction of machine parts. 260 pages, 254 photographs, bound, 35.15 crowns, SNTL.



General Technology

Technologie kovu II (Technology of Metals, II), by A. N. Gladilin and N. P. Dubinin. Collection of works on the technology of casting, shaping, welding, and cutting of metals, and detailed description of the equipment used in all these processes. 372 pages, 387 photographs, bound, 39.50 crowns, SNTL.

Machining

Technologie kovu III (Technology of Metals, III), by A. N. Gladilin, N. P. Dubinin, and others. Description of mechanical equipment and technological procedure in machining of metals and some nonmetallic materials. 212 pages, 193 photographs, bound, 25.60 crowns, SNTL.

Elektrojiskrove obrabeni kovu (Electric Spark Metalworking), Essentials of electric spark metalworking; basic operations and use of equipment. Electrical engineering data necessary for understanding the principles of electric spark machining, proper use of equipment, and prescribed safety precautions. 146 pages, 111 photographs, unbound, 8.17 crowns, SNTL.

Elektrojiskrove obrabeni kovu (Electric Spark Metalworking), by B. R. Lazarenko and N. I. Lazarenkova. The bases of the theory of electric spark machining and explanation of the machining of metals and of nonmetallic conductors, typical examples of use, and further possibilities of development of the process. 96 pages, 58 photographs, unbound, 9.50 crowns, SNTL.

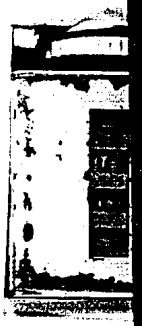
Elektrojiskrove obrabeni kovu (Electric Spark Metalworking), by M. N. Ulitin. Explains the principles of this new method of machining, includes data for various methods of sharpening and lapping, and describes electric spark surface strengthening. 32 pages, 8 photographs, unbound, 1.20 crowns, Prace.

Elektricke zpusoby obrabeni kovu (Electrical Methods of Metalworking), by B. P. Zakharov. Theoretical bases of electrical metalworking by the electric spark and anode-mechanical methods, their possibilities and advantages as compared to existing methods of machine cutting of metals. 56 pages, 25 photographs, unbound, 1.98 crowns, SNTL.

Fysikalni zaklady elektrojiskroveho obrabeni kovu (Physical Bases of Electric Spark Metalworking), by B. N. Zolotych. A complete survey of the history and development of research in the electric spark metalworking field, the physical nature and the course of metal erosion arising from an impulse discharge in the liquid dielectric medium. 88 pages, 50 photographs, unbound, 6.20 crowns, SNTL.

Heat Processing

Nauka o kovech a tepelne zpracovani oceli (Science of Metals and Heat Processing of Steel), by S. G. Bogdanov. A description of various types of alloy steel, nonferrous and bearing metals, heat processing of high-speed steel and its substitutes, cold pressing of metals, and methods of protecting against corrosion. 208 pages, 124 photographs, unbound, 12.90 crowns, SNTL.



Povrchove kaleni plamenem (Flame Surface Hardening), by L. I. Gotlib. Theoretical bases of flame hardening, methods of direction and control of the process, permissible variations, description of the hardening equipment, and choice of conditions [for hardening]. 132 pages, 43 photographs, unbound, 12.15 crowns, SNTL.

Ohrev kovu a slitin v elektrol[yt] (Alloy and Metal Heating in Fused Salts), by I. Z. Yasnogorodskiy. Physical essentials of heating of objects in fused salts, construction of equipment for heating in fused salts, and its use in precise heat treatment of parts. [illegible] pages. 83 photographs, unbound, 6.46 crowns, SNTL.

Tepelne zpracovani oceli a litin I (Heat Processing of Steel and Cast Iron I), by I. E. Kontorovich. Structure of technical iron, structural change in heat and chemical-heat treating, the influence of composition on cast iron properties, types of cast iron, cast iron with drill holes, the use of individual methods of heat and chemical-heat treatment of steel and cast iron. 264 pages, 203 photographs, bound, 24.90 crowns, SNTL.

Tepelne zpracovani oceli a litin II (Heat Processing of Steel and Cast Iron, II) by I. E. Kontorovich. [illegible]ary on the most important alloy steels, their production, the influence of the alloy admixture upon the properties of steel, the theoretical and practical conditions of their heat treatment according to most recent experiences, and of the use of alloy steels in construction techniques. 218 pages, 181 photographs, bound, 19.55 crowns, SNTL.

Novinky tepelneho zpracovani (Heat Processing News), by J. Ye Koretskiy. Newest Czechoslovak and Soviet advances in hardening shops and metallurgical plants which raise work productivity and improve the quality of production. 90 pages, 55 photographs, unbound, [illegible] crowns, Prace.

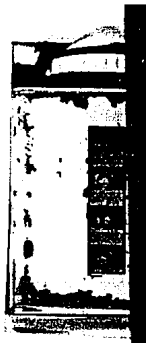
Mechanisace tepelneho zpracovani (Mechanization of Heat Processing), by A. G. Solodikhin. Collection of drawings for the mechanization of heat and chemical-heat treatment of metals. [illegible] pages, 96 photographs, bound, 11.20 crowns, SNTL.

Technologie strojirenske vyroby V-Tepelne zpracovani kovu (Technology of Engineering Manufacture V-Heat Processing of Metal). Various methods of heat and chemical-heat treatment of steel, cast iron, and nonferrous metals, heat treatment of plain, alloy, and substitute steel tools, heat treatment of machine parts and instruments, and steel solidification. 192 pages, 212 photographs, bound, 23.75 crowns, SNTL.

Uplna mechanisace tepelneho zpracovani (Complete Mechanization of Heat Treatment). Collection of addresses from the scientific technical conference describes the heat treatment of automobile parts, treats the heating of parts by a high-frequency current, and heat control and work control of heating furnaces, and describes various instruments for the automatic control of heat and chemical conditions. 128 pages, 78 photographs, unbound, 8.55 crowns, SNTL.

Welding

Elektricke svarovani oceli pri opravach strojniho zarizeni (Electrical Welding of Steel In Repair of Machine Equipment), by V. A. Batmanov. Experiences with arc welding while repairing medium carbon steel machine parts, mechanical properties of welded metal and the influence of heat upon it, electrodes, individual methods of electric arc welding, and repairs of heavy machine equipment by cold, semi-heat, and heat welding. 100 pages, 60 photographs, unbound, 5.60 crowns, SNTL.



Celostatni aktiv svarecu (Nationwide Welders Conference). Addresses from the welders' conference in Brno dealing with the "Volodin" method of welding with grouped electrodes, the "Michajlov" method of three-phase arc welding, the "Doutnac" method of welding with larger diameter electrodes, deep heat, immersed electrodes, and welding of aluminum in an inert gas. 226 pages, 132 photographs, unbound, 19.75 crowns, SNTL.

Svarovaci technika v SSSR (Welding Techniques in the USSR) by A. A. Chekanov. A brief survey of the development of welding techniques in the USSR, the areas of its usage, equipment and materials used in welding, and new technological advances. 120 pages, 49 photographs, unbound, 8.74 crowns, SNTL.

Svarovani (Welding) by D. L. Glizmanenko. Bases of theory and practice of all methods of welding used in industry, including welding and cutting by an electric arc, resistance welding, torch welding, and oxygen cutting, control, safety precautions, work organization and welding standardization. 424 pages, 261 photographs, bound, 24 crowns, SNTL.

Svarovani barevnych kovu (Welding of Non-Ferrous Metals) by Ye. L. Klyachkin. Proven methods of welding non-ferrous metals by torch and arc techniques, copper and alloys, nickel and its alloys, lead, aluminum and its alloys. 108 pages, 65 photographs, unbound, 7.03 crowns, SNTL.

Abeceda svarovani plamenem (The ABC's of Torch Welding) by V. Kriz and K. Vesely. A detailed description of welding of steel and nonferrous metals by torch, oxygen cutting, and soldering by gas. Explains basic concepts, welding conditions, and technology of technical gases. 144 pages, unbound, 8.35 crowns, Prace.

Tvrde navary (Hard [Surface Build Up] Welding) by K. Loebl. A practical handbook for the welder, containing basic information on welding, welding alloys, and the technology of welding and the control of welding [probably surface welding]. 80 pages, 44 photographs, unbound, 5.30 crowns, SNTL.

Svarovani trojfazovym oblukem (Three-Phase Arc Welding) by G. P. Mikhaylov. An analysis of the theoretical bases and technological advances of manual and automatic arc welding, description of feed devices, electrodes, holders, and other equipment, and Soviet experiences with this method of welding. 144 pages, 146 photographs, unbound, 11 crowns, SNTL.

Kontrola jakosti svaru (Weld Quality Control) by S. T. Nazarov. Defects in welds and reasons for them, various methods of control, including external inspection, metallographic examinations, chemical analysis, mechanical tests, X-ray and radioactive emission control, magnetic control, and quality control of resistance welded seams. 208 pages, 149 photographs, unbound, 13.30 crowns, SNTL.

Svarovani litiny za studena (Cold Welding of Cast Iron) by A. G. Nazarov. Description of a new method of cold welding of cast-iron parts using combined electrode groups. 32 pages, unbound, 1.71 crowns, Prace.

Sbornik prac zo zvaranie a tepelneho spracovania kovov (Almanac of Welding and Heat Treatment of Metal). The influence of deoxidation and technological treatment on welding properties, the current status of experiences on the welding properties of construction steel. Optimum conditions for the annealing of steel pipes in continuous retort furnaces (prubezne retortove peci), the influence of welding on structural changes of construction and tool steel. 70 pages, unbound, 9.50 crowns, SAVU [Slovenska akademia vied a umenie, Slovak Academy of Sciences and Arts].

Elektricke zvarovanie zelezobetonovych armatur (Electr.. Welding of Concrete Reinforcing Rods) by Ye. G. Sovalov. General experiences obtained in resistance arc welding of concrete reinforcing rods. Special attention is given to the methods of preparation and use of large welded (sections) rods, including grids, skeletons, and blocks. 156 pages, 104 photographs, bound, 20.15 crowns, Praca [Publishing House].

Technologie strojirenske vyroby I-Montaz stroju, svarovani, nytovani (Technology of Engineering Manufacture I- Machine assembly, welding, and riveting). Fourth volume of the translation of the Soviet encyclopedic handbook "Mashinostroyeniye," devoted to the technology of machine assembly, metal welding, and the manufacture of steel constructions. 372 pages, 603 photographs, bound, 27 crowns, SNTL.

Uplna mechanisace svarovani (Complete Mechanization of Welding). Various methods of mechanization of welding in the production of steel constructions, boiler and machine construction, tubing, locomotives and other types of engineering products, modern high-performance welding methods, and mechanization of soldering. 96 pages, 60 photographs, unbound, 6.65 crowns, SNTL.

Pechovaci svarovani plamenem (Pneumatic Torch Welding) by T. A. Vladimirskiy and A. S. Falkevich. Construction and activity of feed sources, welding machines, burners, and special equipment for pneumatic torch welding, technology of pneumatic welding, suggestions for the control of the quality of welded seams, and basic safety precautions. 112 pages, 75 photographs, unbound, 8.80 crowns, SNTL.

Rychlostni zpusoby rucniho svarovani elektrickym obloukem (Rapid Methods of Manual Electric Arc Welding) by V. S. Volodin and M. G. Kholovintsev. Welding by means of large diameter electrodes, doubled electrodes, and welding with deep heating (zavar). Detailed analysis of innovator-welding work methods. 32 pages, 24 photographs, unbound, 1.71 crowns, SNTL.

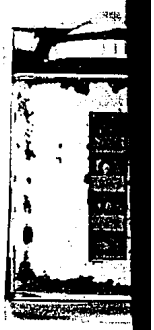
Zvaracsky sbornik 1953 (1953 Welding Almanac). Collection of the Slovak Academy of Sciences and Arts, Volume II, No 1-2. 219 pages, unbound, 32 crowns, SAVU.

Zvaracsky sbornik 1952 (1952 Welding Almanac). Collection of speeches and discussions at the first national conference of welders. 520 pages, unbound, 47.50 crowns, SAVU.

Surface Treatment

Zaklady galvanotechniky (Principles of Galvanotechnology) by J. Doskar. Essentials of the electrochemical method, legality of the electrolytic extraction of metals. The practical part is concerned with the best known galvanic baths, including electrolytic oil-removing baths, and copper, zinc, brass, nickel, and chromium baths. 284 pages, 51 photographs, bound, 24.50 crowns. SNTL

Porovite chromovani strojnich soucasti (Porous Chrome-Plating of Machine Parts) by K. S. Goncharenko. Methods of porous chrome-plating of steel machine parts, basic electrochemical notes, the method of applying a porous chromium coating, workshop equipment for porous chrome-plating, the electrolyte composition, defects of electrolytic chrome-plating. 68 pages, 44 photographs, unbound, 4.56 crowns, SNTL.



Oxydovani a fosfatovani kovu (Oxide and Phosphate Coating of Metals) by A. M. Yampolskiy. Methods of oxide and phosphate coating by which iron and nonferrous parts and articles are protected against corrosion, characteristics of the individual methods, description of operation and work conditions. 68 pages, 17 photographs, unbound, 4.18 crowns, SNTL.

Nitridovani, povrchove tvrzeni oceli dusikem (Nitriding, Steel Surface Hardening by Nitrogen) by Ye. Koretskiy. Theoretical bases and description of work operations in nitriding; survey of nitrided steels preceding dressing of products, equipment for nitriding and special nitriding work. 224 pages, 105 photographs, unbound, 16.70 crowns, SNTL.

Technologie smaltovani kovovych vyrobku (Technology of Enameling Metal Products) by V. Ye. Lokshin. Collective survey of raw materials and auxiliary materials for enamel production, melting and firing enamel furnaces, technology of enamel production, and enameling of steel and cast-iron products. 352 pages, 113 photographs, bound, 26.80 crowns, SNTL.

Voda v povrchovem zuslechtovani kovu (Water in Surface Metal Refining) by J. Nosek and A. Petru. Various methods of surface heat treatment of metals which result in waste water, the composition and properties of these waters, their cleaning, neutralization and economic use of valuable materials contained in them. 92 pages, 22 photographs, unbound, 6.08 crowns, SNTL.

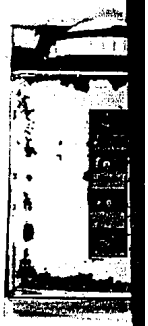
Zaklady technologie smaltovani (Principles of Enamel Technology) by A. Novotny. The physical chemistry of various systems and the testing of enamels by their mechanical, thermal, optical, and chemical properties, and the problems of enamel adherence to metals are discussed in the theoretical part. The technological part includes a description of basic raw materials and domestic production. 344 pages, 109 photographs, unbound, 54.35 crowns, SNTL.

Prozatimni predpisy pro zkouseni fosfatisacnich pripravku a fosfatovych vrstev (Provisional Prescriptions for Testing Phosphate Solution and Phosphate Coating). Prescriptions for testing phosphate preparations, for their control and to determine whether they fulfill their function, such as protecting parts against corrosion. 20 pages, 4 photographs, unbound, 1.52 crowns, SNTL.

Moreni oceli a litiny (Steel and Cast Iron Pickling) by J. Rones and M. Jaros. Theoretical bases for pickling steel and cast iron, surface preparation before pickling, pickling technology, chemical control and filling of the bath, surface treatment after pickling. 252 pages, 80 photographs, bound, 20.40 crowns, SNTL.

Zvyseni meze unavy kulickovanim (Increasing Fatigue Limits by Shot Peening) by J. Shon. Theory of shot peening and its results, description of shot peening machines, examples of the practical use and control of this simple method for the increasing of fatigue limits of machine parts. 80 pages, 59 photographs, unbound, 5.32 crowns, SNTL.

Boj proti rezaveni kovu (The Struggle Against Rust) by J. Teidl. Practical suggestions for metal protection against corrosion by means of metal-plating, phosphating and painting. 88 pages, 36 photographs, unbound, 6.84 crowns, SNTL.



Valeckovani strojnich soucasti (Roller Surface Hardening of Machine Parts) by V. O. Voyshko. A method of machining part surfaces by interior and exterior rolling. It treats the main phenomena occurring in metal during its deformation, the influence of heat on surface strengthening, the shape of the roller and its influence on the surface working of parts. 92 pages, 59 photographs, unbound, 7.60 crowns. SNTL.

Elektrojiskrove zpevnovani kovovych povrchu (Electric Spark Strengthening of Metal Surfaces) by B. N. Zolotykh. A method of prolonging the life of tools, stamping tools, and machine parts, construction of instruments for the electric spark strengthening of metal surfaces, work methods, conditions, and achieved results. 48 pages, 21 photographs, unbound, 2.28 crowns, SNTL.

Science of Metals and Other Materials and Their Testing

Uvod do theorie kovu (Introduction to the Theory of Metals) by Ye. I. Frenkel. Collection of lectures about the electron theory of metals, molecular kinetic theory of solids and liquids with special regard to metals, and phase changes in metals and alloys. 200 pages, 94 photographs, bound, 29 crowns, SNTL.

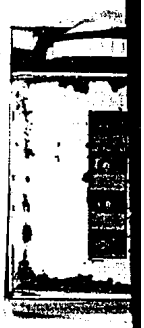
Technologie kovu I (Technology of Metals I) by A. N. Gladilin and N. P. Dubinin. A survey introduction to materials used in engineering production. It includes data on the properties of metals and alloys, on the production of pig iron, steel, nonferrous metals and nonmetallic materials, their properties and use. 224 pages, 76 photographs, bound, 26.40 crowns, SNTL.

Ocel (Steel) by V. Jares. Principles of iron metallography, commentary on the structure and properties of steel, their heat processing, and individual types of steel which are classed according to use and alloys. Fifth edition, 112 pages, 27 photographs, unbound, 5.89 crowns, SNTL.

Prehled technickych materialu (Survey of Technical Materials) by Ye. Koretskiy. Survey of information on technical materials used in the metal industry (steel, cast iron, nonferrous metals, and nonmetallic materials), brief commentary on their properties, production, working methods, and use. A survey of Czechoslovak and Soviet standards. 454 pages, 100 photographs, bound, 33 crowns, SNTL.

Metalograficke tabulky (Metallographic Tables) by Vl. Koshelev. Tables of individual types of the structure [composition] of metal, containing photographs of basic structures and some extraordinary cases. The textual part explains in detail individual photographs and schematic drawings. 72 pages, 61 tables, unbound, 29.05 crowns, SNTL.

Zaklady metalografie oceli (Foundations of Metallography) by Vl. Koshelev. Basic theoretical notes on the internal structure of metals and alloys. The book contains the experiences accumulated by the author in the course of long years of practice in the "Lenin" Works in Plzen, especially on the questions of the change of the internal structure of metal during the production process. 246 pages, 278 photographs, bound, 23.75 crowns, SNTL.



Zjistovani pricin lomu unavou podle struktury a tvaru (Determination of the Reasons for Breaks Due to Fatigue, According to Structure and Shape) by I. A. Oding. A collective survey of reasons causing the fatigue of metals, and recognized according to the appearance and structural changes present in breaks in machine parts. 96 pages, 69 photographs, unbound, 8.17 crowns, SNTL.

Spektralni analysa kovu a slitin I (Spectrographic Analysis of Metals and Alloys I) by V. K. Prokof'yev. The function of spectrographic instruments, the description of the most common types of spectrographs, light sources, and electrodes for spectral analysis, microphotometry in the measurement of spectral marks, and auxiliary instruments for spectral analysis. 310 pages, 160 photographs, bound, 30 crowns, SNTL.

Spektralni analysa kovu a slitin II (Spectrographic Analysis of Metals and Alloys II) by V. K. Prokof'yev. Various methods of determining rated intensities which are the substances of photometric measurement of photographic plates, and various spectroanalytic methods. Organization and equipment of factory spectrographic analysis laboratories, tables for analysis of metals and alloys. 272 pages, 54 photographs, bound, 27.20 crowns, SNTL.

Zaklady metalurgie zeleza (Bases of Iron Metallurgy) by O. Quadrat. Description of a blast furnace and its equipment, commentary on the production of various types of pig iron, description of an open-hearth furnace, steel production by acid and basic Martin processes, casting of steels, production of electric steels and malleable cast irons. Important data on Czechoslovak and Soviet steels. 336 pages, 88 photographs, bound, 36.65 crowns, SNTL.

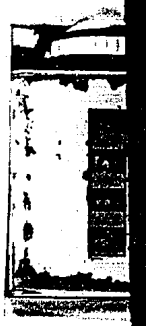
Prirucka pro ucitele nauky o materialech (Handbook for the Instructors of the Science of Materials) by M. K. Samusenko. A methodical help for the teacher in crafts, railroad schools, trade schools, and plant training schools. 90 pages, 28 photographs, unbound, 4.75 crowns, Prace.

Nauka o materialoch (Science of Materials) by D. O. Slavin and N. N. Ostapenko. A handbook for metalworkers. The book progressively analyzes the basic properties of all raw materials used in metal industry plants. 216 pages, 149 photographs, unbound, 9.80 crowns, SNTL.

Vlastnosti kovu (Properties of Metals) by D. O. Slavin. A popular commentary on basic knowledge of metals, showing the structure of metals and alloys, their physical properties, metal pressure resistance, toughness, hardness, and other mechanical properties of metals, and resistance to corrosion. 48 pages, 23 photographs, unbound, 3.04 crowns, SNTL.

Mechanicke zkouseni kovu (Mechanical Testing of Metals) by N. A. Shaposhnikov. Collective survey of the static testing of metals, tests at various temperatures and speeds of the deformation of metals, methods of ascertaining hardness, and testing metals for fatigue [induced] in load changes. 404 pages, 301 photographs, bound, 37 crowns, SNTL.

Materialove listy uslechtilych konstrukcnich oceli k zuslechtovani (Material Lists of Refined Construction Steels for Heat Processing) by Fr. Sicha. Results of research work of the "Klement Gottwald" Ironworks in Vitkovice and the Steel Research Institute (Ocelarsky vyzkumny ustav), the aim of which was to find the possibility of a more economical use of alloy elements, chiefly nickel and molybdenum, in strengthening of construction steels. 24 pages, 5 photographs, unbound, 9.12 crowns, SNTL.



Chemicke slozeni oceli normovanych v CSR a v cizine (Chemical Composition of Steels Standardized in Czechoslovakia and Abroad) by R. Stefec. Tables of the chemical composition of steel standardized in Czechoslovakia, the USSR, Sweden, Germany, England, France, and the US, and comparison of foreign steels with Czechoslovak state standards and steels produced by the United Steelworks, national enterprise. 228 pages, 146 tables, unbound, 13.30 crowns, bound, 17.85 crowns, SNTL.

Nastrojove oceli (Tool Steels) by J. Walla. The book gives examples of proven methods of heat processing of tool steels and the production of various types of tools. 470 pages, 570 photographs, bound, 44.10 crowns, Prace.

Slitinove konstrukcni oceli (Alloy Construction Steels) by V. Walla. A series of notes which deal with the influence of copper, aluminum, lead, arsenic, and the other elements, on the properties of steel and its production. The author considers various types of heat processes such as annealing, relieving internal stress, and tempering. 344 pages, 404 photographs, bound, 65.75 crowns, Prace.

Zaklady prakticke metalografie oceli (Bases of Practical Metallography of Steels) by V. Walla. The author presents a commentary on various defects of steel, investigates reasons and circumstances for their occurrence, shows how to reduce losses, rejects and bad manufactures. 252 pages, 324 photographs, unbound, 21 crowns, Prace.

Snadno obrobitelne oceli (Easy Machining Steel) by V. Walla. The author makes a suggestion for the choice of the best steels for machine working, and proper use thereof, and for work and technological advance in economical machining. 216 pages, 290 photographs, unbound, 24.35 crowns, Prace.

Materials Economy, Struggle Against Corrosion

Theorie a zkusebni methody korose kovu (Metal Corrosion Theory and Testing Methods) by G. V. Akimov. This book, by a "Stalin Prize" winner, concerning the theory of metal corrosion, especially electrochemical corrosion, describing corrosion testing methods including laboratory, and electrochemical, and test methods under natural and production conditions. 372 pages, 373 photographs, bound, 104.30 crowns, SNTL.

Korose a ochrana proti korosi (Corrosion and Protection Against Corrosion). Results of polarographic and electrochemical study of the corrosion of some metals and results of the study of surface protection (phosphating, siliconizing, and zinc-coating). 68 pages, 25 photographs, bound, 9.50 crowns, SNTL.

Korosni sbornik (Corrosion Almanac). The work of a collective at the Research Institute for the Protection of Materials (Vyzkumny ustav ochrany materialu) contains in tabular form a summary of information on the reaction of materials to various chemical conditions. 536 pages, unbound, 78.30 crowns, SNTL.

In Print

Prirucka pro svarovaci technology, konstruktery a svarece I.-II. -III. (Handbook for Welding Technologists, Builders, and welders I. -II. -III.) by Faltus. [no other data given].

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